## Sustomer No. 24498

## DECLARATION AND POWERS OF **ATTORNEY**

Docket No.PD040028

AUG-2 7 2009

MALTE	• /					
MATE	named inventor, I hereby decl	lare that:	ted bolou pout to my pa	<b>m</b> o		
- All holio	sidence, post office address areve I am the original, first and s	ng cilizeriship are as siai	name is listed hetow) or	ine. :an original, first ar	nd inint inventor (if plural nam	as are listed below)
AD THE SUDIE	ect matter which is claimed and	t for which a natent is so	aught on the invention er	titled	io joint inventor (ii pidrai riaiti	es are listed below)
ARRANGE	MENT FOR ADAPTIVE BIT R	RECOVERY				
	ation of which was filed on		as Application	on Serial No. P	CT/EP05/002070 and was	amended on
24/AUG/06			<del></del>		<del></del>	
	reviewed and understand the					nent referred to
above.				<b>J</b>	, , , , , , , , , , , , , , , , , , ,	
	owledge the duty to disclose it	nformation which is mate	erial to patentability as d	efined in 37 CFR 1	.56, including for continuation	n-in-part
applications	s, material information which b	ecame available betwee	n the filing date of the p	rior application and	the national or PCT internati	onal filing date of
	ation-in-part application.					
	by claim foreign priority benefi					
	elow any foreign application fo	=	tificate by me or my rep	resentatives or ass	igns for this invention having	a filing date before
	application on which priority is		osity olaimod (Y 1 Yas [ 1	No		
	Application No. <u>04005528:7</u> in	in on	nriority claimed [1] Y	28 ( ) No		
	Application No	in on	priority claimed [] Ye	es [ ] No		
l here	by claim the benefit under 35 (	JSC 119(e) of any United	d States provisional app	lication(s) as listed	below.	
	Application No Fil			• • • • • • • • • • • • • • • • • • • •		
	Application No Fil	led				
I here	by claim the benefit under 35 (	JSC 120 of any United S				
	tion is not disclosed in the prio					
disclose inf	ormation which is material to p	eatentability as defined in	13/CFR 1.56, including	tor continuation-in	l-part applications, material in	t application
became av	ailable between the filing date	of the prior application a	no the national of PCTT	nternational ming o	late of the continuation-in-pai	таррисации.
	Serial No Filed Serial No Filed	[] patented [	] pending [] abandoned			
l here	by declare that all statements	made herein of my own i	knowledge are true and	that all statements	made on information and be	lief are believed to
be true: and	further that these statements	were made with the kno	wledge that willful false	statements and the	e like so made are punishable	e by fine or
imprisonme	ent, or both, under 18 USC 100	)1 and that such willful fa	ilse statements may jeo	pardize the validity	of the application or any pate	ent issued thereon.
l here	by appoint, individually and co	llectively, the following a	s my/our attorney or age	ent with full power of	of substitution and revocation	, to prosecute this
application	and to transact all business in					
		D. Shedd	Registration No.	36,269	and	
		E. Duffy	Registration No.	39,964		
		D. Fried	Registration No.	28,298	and	
	Paul P.		Registration No.	40,677	and	
	Robert		Registration No.	28,234		
	•	J. Opalach	Registration No.	36,229	and	
	DRESS ALL COMMUNICATION	M Navon NS TO: ROBERT D. SI	Registration No.	32,711	<del></del>	
PLEASE AL	DRESS ALL COMMONICATION	PATENT OPER				
		I HOMSON EIG	ENSING LLC.			
		P. O. BOX 531:	2	///		
		P. O. BOX 531:		1//		·——1
Sole or Join		P. O. BOX 531:	2	1/h	1	
Sole or Joir Inventor (1)	Axel Kochale	P. O. BOX 531:	2 NEW JERSEY 08543-531	1 hu		
		P. O. BOX 531:	2 NEW JERSEY 08543-531	nature in Full, No	initials.)	
Inventor (1)	Axel Kochale (Type or Print)	P. O. BOX 531:	2 NEW JERSEY 08543-531 (Sig	1 hu	_ `	
Inventor (1) Citizenship	Axel Kochale (Type or Print) Germany	P. O. BOX 531:	2 NEW JERSEY 08543-531	1 hu	initials.)	
Inventor (1) Citizenship Post Office	Axel Kochale (Type or Print)  Germany	P. O. BOX 5312 PRINCETON, N	2 NEW JERSEY 08543-531 (Sig	1 hu	_ `	
Inventor (1) Citizenship Post Office Address	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318	P. O. BOX 5312 PRINCETON, N	2 NEW JERSEY 08543-531 (Sig	1 hu	_ `	
Inventor (1) Citizenship Post Office	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318	P. O. BOX 5312 PRINCETON, N	2 NEW JERSEY 08543-531 (Sig	1 hu	_ `	
Inventor (1) Citizenship Post Office Address Residence	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318	P. O. BOX 5312 PRINCETON, N	2 NEW JERSEY 08543-531 (Sig	1 hu	_ `	
Inventor (1) Citizenship Post Office Address Residence Sole or Join	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318	P. O. BOX 5312 PRINCETON, N	2 NEW JERSEY 08543-531 (Sig	1 hu	_ `	
Inventor (1) Citizenship Post Office Address Residence	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt	P. O. BOX 5312 PRINCETON, N	NEW JERSEY 08543-531 (Sig	nature in Full. No.	2007	
Inventor (1) Citizenship Post Office Address Residence Sole or Join	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318	P. O. BOX 5312 PRINCETON, N	NEW JERSEY 08543-531 (Sig	1 hu	2007	
Citizenship Post Office Address Residence Sole or Joir Inventor (2)	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)	P. O. BOX 5312 PRINCETON, N	PIEW JERSEY 08543-531  (Sig	nature in Full. No.	2007	
Inventor (1) Citizenship Post Office Address Residence Sole or Join Inventor (2)	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany	P. O. BOX 5312 PRINCETON, N	NEW JERSEY 08543-531 (Sig	nature in Full. No.	2007	
Citizenship Post Office Address Residence Sole or Joir Inventor (2) Citizenship Post Office	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany	Date	nature in Full. No.	2007	
Citizenship Post Office Address Residence Sole or Joir Inventor (2) Citizenship Post Office Address	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Date	nature in Full. No.	2007	
Citizenship Post Office Address Residence Sole or Joir Inventor (2) Citizenship Post Office	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany	Date	nature in Full. No.	2007	
Citizenship Post Office Address Residence  Sole or Joir Inventor (2)  Citizenship Post Office Address Residence	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7  Im Oberdorf 17, 7	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Date	nature in Full. No.	2007	
Citizenship Post Office Address Residence  Sole or Joir Inventor (2)  Citizenship Post Office Address Residence  Sole or Joir	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 75  Im Oberdorf 17, 75  In Oberd	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Date	nature in Full. No.	2007	
Citizenship Post Office Address Residence  Sole or Joir Inventor (2)  Citizenship Post Office Address Residence	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7  Im Oberdorf 17, 7  Im Oberdorf 17, 7  In Oberdorf 17, 7  In Oberdorf 17, 7	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Date	nature in Full. No	Zos ?	
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Citizenship Post Office Address Residence  Sole or Joir Inventor (2)  Citizenship Post Office Address Residence  Sole or Joir Inventor (3)	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318 Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 75 Im Oberdorf 17, 75 Im Oberdorf 17, 75 Int Stefan Rapp (Type or Print)	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Signary  Carry  (Signary	nature in Full. No	Zos ?	
Citizenship Post Office Address Residence Sole or Joir Inventor (2) Citizenship Post Office Address Residence Sole or Joir Inventor (3) Citizenship	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7  Im Oberdorf 17, 7  Im Oberdorf 17, 7  Im Oberdorf 17, 7  In Oberdorf 17, 7  Germany  Stefan Rapp (Type or Print)  Germany	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Date	nature in Full. No	Zos ?	
Citizenship Post Office Address Residence Sole or Joir Inventor (2) Citizenship Post Office Address Residence Sole or Joir Inventor (3) Citizenship Post Office	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7 Im	P. O. BOX 5313 PRINCETON, N  32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge 8052 Pfaffenweiler, Ge	Sig   Date	nature in Full. No	Zos ?	
Citizenship Post Office Address Residence Sole or Joir Inventor (2) Citizenship Post Office Address Residence Sole or Joir Inventor (3) Citizenship	Axel Kochale (Type or Print)  Germany  Beckerweg 1, 318  Beckerweg 1, 318  The Dirk Schmitt (Type or Print)  Germany  Im Oberdorf 17, 7  Im Oberdo	P. O. BOX 5313 PRINCETON, N 32 Springe, Germany 32 Springe, Germany 8052 Pfaffenweiler, Ge	Signary  Carry  (Signary  Carry  Carr	nature in Full. No	Zos ?	

## Customer No. 24498

## DECLARATION AND POWERS OF Docket No.PD040028 ATTORNEY

As a below named inventor, I hereby declare that.  My residence, post office address and cilizenship are as stated below I believe I am the original, first and sole inventor (if only one name is of the subject matter which is claimed and for which a patent is sought or ARRANGEMENT FOR ADAPTIVE BIT RECOVERY	s.listed below) or an original, first an	ıd jöint inventor (if pluratı	names ere listed balow)
the specification of which was filed on. 26/FEB/05	as Application Serial No. P	CT/EP05/002070 and	no babnems asw
24/AUG/06 , or, if not identified her	e by flling date and serial number, i	s attached hereto.	
I have reviewed and understand the contents of the above identified above.			
I acknowledge the duty to disclose information which is material to papplications, material information which became available between the fill the continuation-in-part application.  I hereby claim foreign priority benefits under 35 USC 119 of any foreign priority benefits under 35 USC 119 of any foreign.	Ing date of the prior application and eign application(s) for patent or inve	the national or PCT International or PCT International or PCT International Internatio	rnational filing date of
Identified below any foreign application for patent or inventor's certificate that of the application on which priority is claimed.  Application No. 04005528;7 in EP on 09/MAR/04, priority cla		igns for this invention hav	ving a illing date before
Application No In onprio	rity claimed [] Yes [] No		
Application No In on prior	rity claimed [] Yes [] No		
I hereby claim the benefit under 35 USC 119(e) of any United States Application No. Filed	r provisional application(s) as listed	bajow.	
Application No. Filed   Filed   I hereby claim the benefit under 35 USC 120 of any United States at			
this application is not disclosed in the prior United States application in the disclose information which is material to patentability as defined in 37 CFI became available between the filing date of the prior application and the research No. Filed [] patented [] pendir Serial No. Filed [] patented [] pendir I hereby declare that all statements made herein of my own knowled be true; and further that these statements were made with the knowledge imprisonment, or both, under 18 USC 1001 and that such willful false state I hereby appoint, individually and collectively, the following as my/ou application and to transact all business in the U.S. Patent and Trademark Robert D. Shedd Robert D. Shedd Robert D. Shedd Robert D. Shedd Robert D. Fried Robert B. Levy Robert B. Levy Robert B. Levy Robert B. Levy	manner provided by the first parage 1.56, including for continuation-international filling displayed and parage [] abandoned age are true and that all statements that willful false statements and the aments may jeopardize the validity or altorney or agent with full power or Office connected therewith: agistration No.  28,298 agistration No. 28,234	graph of 35 USC 112, I alpan applications, materiale of the continuation and made on information and like so made are punish of the application or any	cknowledge the duly to at information which part application.  belief are believed to table by fine or the part is seed thereon
	egistration No. 38,229	and	
PLEASE ADDRESS ALL COMMUNICATIONS TO: ROBERT D, SHEDD PATENT OPERATIONS THOMSON LICENSING P. O. BOX 5312		Phoneur	
PRINCETON, NEW JEE	RSEY 08543-5312		
Sole or Joint		···	
Inventor (1) Axel Kochale (Type or Print)	(Signature in Full. No	initials.)	
Cilizenship Germany	Date	•	
Post Office			
Address Beckerweg 1, 31832 Springe, Germany  Residence Beckerweg 1, 31832 Springe, Germany			
Residence Beckerweg 1, 31832 Springe, Germany	-	***************************************	•
Sole or Joint inventor (2) Dirk Schmitt	x Out Lite		
(Type or Print)	(Signature in Full. No	Initiale.)	
Citizenship Germany	Date X 14.08-20	09	
Post Office In Oberdorf 17, 78052 Pfaffenweiler, Germany			
Address In Oberdorf 17, 78052 Pfaffenweiler, Germany Residence Im Oberdorf 17, 78052 Pfaffenweiler, Germany		*****	
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Sole or Joint Inventor (3) Stefan Rapp	× St. M	the state of the s	
(Type or Print)	(Signature in Full. No	hitlals.)	
Cilizenship Germany Post Office	(Signature in Full. No	005	
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